

SEARCH REQUEST FORM Scientific and Technical Information Center - EIC2800
 Rev. 1/26/2006 This is an experimental format -- Please give suggestions or comments to Jeff Harrison, JEF-4B68, 22511.

Date 6/23/06 Serial # 101657,865 Priority Application Date 6/19/02

Your Name Milnevis Examiner # 73172

AU 2822 Phone 909-1838 Room 5A30

In what format would you like your results? Paper is the default. PAPER DISK EMAIL
 If submitting more than one search request form, please prioritize the searches in order of need.

Where have you searched so far on this case?
 Circle: USPTO DWPI EPO Abs JPO Abs IBM TDB
 Other: Medline 7/13

What relevant art have you found so far? Please attach citations or Information Disclosure Statements.

What types of references would you like? Please checkmark:

Primary Refs Nonpatent Literature Teaching Refs
 Secondary Refs Foreign Patents Other

Is this a "Fast & Focused Search" request? (Circle One) YES NO

A "Fast & Focused Search" is completed in 2-3 hours (maximum). The search must be on a very specific topic and meet certain criteria. The criteria are posted in EIC2800 and on the STIC NPL Web Page at <http://uspto-a-pattr-2/siraapps/stic/npl/nplsearch.htm>

What is the topic, such as the novelty, motivation, utility, or other specific facets defining the desired focus of this search? Please include the concepts, synonyms, keywords, acronyms, registry numbers, definitions, structures, strategies, and anything else that helps to describe the topic. Please attach a copy of the abstract and pertinent claims.

Claims 21-25

Border Transistor

Problem: See pages 1-2
Solution: " " 2-5

US 2002/0058388 5,183,768
2004/023526 5,093,197

Staff Use Only

Searcher: J. Peckhase

Searcher Phone: _____

Searcher Location: STIC-EIC2800, JEF-4B68

Date Searcher Picked Up: 6/26/06

Date Completed: 6/26/06

Searcher Prep/Rev Time: 70

Online Time: 170

Type of Search

Structure (#) _____

Bibliographic

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Vendors

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Questel/Orbit

Lexis-Nexis _____

WWW/Internet _____

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SYSTEM:OS - DIALOG OneSearch

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*File 305: Alert feature enhanced for multiple files, duplicate removal, customized scheduling. See HELP ALERT.

File 315:ChemEng & Biotec Abs 1970-2006/May
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File 350:Derwent WPIX 1963-2006/UD,UM &UP=200640
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*File 350: Preview the enhanced DWPI through ONTAP DWPI (File 280). For more information, visit <http://www.dialog.com/dwpi/>.

File 347:JAPIO Dec 1976-2005/Dec(Updated 060404)
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File 344:Chinese Patents Abs Jan 1985-2006/Jan
 (c) 2006 European Patent Office

File 371:French Patents 1961-2002/BOPI 200209
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*File 371: This file is not currently updating. The last update is 200209.

File 23:CSA Technology Research Database 1963-2006/Jun
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File 987:TULSA (Petroleum Abs) 1965-2006/May W4
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*File 987: File 987 has been reloaded. Accession numbers have changed.

Set	Items	Description
S1	24893	AU=(PARK, K? OR PARK K?)
S2	13691	AU=(YANG, B? OR YANG B?)
S3	38567	S1:S2
S4	54	S3 AND (BIPOLAR OR BI()POLAR) (2N)TRANSISTOR? ?
S5	9	S4 AND IC=(H01L-021/331 OR H01L-029/10 OR H01L-029/737 OR - H01L-021/265 OR H01L-021/336)
S6	9	RD (unique items)
S7	45	S4 NOT S5
S8	4	S7 AND ((COLLECTOR? ? OR SIC) (2N) (REGION? ? OR AREA? ?) OR SIC OR ION() IMPLANT? ()COLLECTOR? ? OR ION(1W) (IMPLANT? OR COLLECTOR? ?))
S9	2	RD (unique items)

06/26/2006

10/657,867

S10 107675 (BIPOLAR OR BI() POLAR) (2N) TRANSISTOR? ?
S11 386232 SEMICONDUCT? (2N) (SUBSTRAT? OR SURFACE? OR BASE? OR SUBSTRU-
CT? OR UNDERSTRUCT? OR UNDERLAY? OR FOUNDATION? OR PANE? OR D-
ISK? OR DISC? OR WAFER? OR CC=(A6855 OR A8115 OR B0520 OR B25-
70) OR MC=(T03-A01B OR T03-A01B1) OR IC=G11B-005/704)
S12 98924 (FIRST OR ONE OR SECOND OR DUAL OR DOUBLE OR TYPE? ?) (2N) C-
ONDUCTIV?
S13 72470 IC=(H01L-021/331 OR H01L-029/10 OR H01L-029/737 OR H01L-02-
1/265 OR H01L-021/336)
S14 498221 (COLLECTOR? ? OR SIC) (2N) (REGION? ? OR AREA? ?) OR SIC OR -
ION() IMPLANT? () COLLECTOR? ? OR ION(1W) (IMPLANT? OR COLLECTOR?
?)
S15 31741 ISOLAT? (2N) (REGION? ? OR AREA? ?)
S16 482879 SILICON() GERMANIUM OR SIGE OR (SILICON OR SI OR SILICA) (2N-
) (LAYER? ? OR FILM? ? OR COAT? ?)
S17 18054 Emitter? ? (2N) (REGION? ? OR ELECTRODE? ?)
S18 6814 OHMIC (2N) (LAYER? ? OR COAT? ? OR FILM? ?)
S19 6792 S10 AND S11
S20 1181 S19 AND S12
S21 520 S20 AND S13
S22 247 S21 AND S14
S23 30 S22 AND S15
S24 12 S23 AND S16
S25 12 RD (unique items)
S26 18 S23 NOT S24
S27 18 RD (unique items)
S28 13 S27 AND S17
S29 5 S27 NOT S28
S30 5 RD (unique items)
S31 217 S22 NOT S23
S32 0 S31 AND S18

Query/Command : HIS

File : PLUSPAT

SS Results

1	2	(1) ..FAM US20040126979/PN
2	1	..CITE US20040126979/PN
3	1	..CITB US20040126979/PN
4	1	US5183768/PN
5	19	..CITF US5183768/PN
6	5	..CITB US5183768/PN
7	4	(1) ..FAM US5023197/PN
8	11	..CITF US5023197/PN
9	11	..CITB US5023197/PN

← Family & citation
← Search
←

Search statement 10